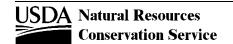
Table J1b. - Physical Properties of the Soils

Tidewater Cities Area, Virginia

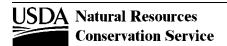
Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Man Symbol					Moist	Permeability	Available	Linear	Organia	Eros	sion Fa	ctors	Wind Erodi-	Wind Erodi-
Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Organic Matter	Kw	Kf	Т	bility Group	bility Index
	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct			J.	•	•
1: Altavista	0-13			10-24	1.30-1.50	2-6	0.12-0.20	0.0-2.9	0.5-3.0	.24	.24	5	3	86
Allavista	13-53			18-35	1.30-1.50	2-6 0.6-2	0.12-0.20	0.0-2.9	0.5-3.0	.24	.24	5	S	00
	53-65			2-20	1.30-1.50	2-6	0.06-0.12	0.0-2.9	0.0	.24	.24			
Augusta														
Newflat														
State														
Chickahominy														
2:														
Augusta	0-17			5-25	1.40-1.70	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.20	.20	4	3	86
	17-56			20-35	1.35-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0	.24	.24			
	56-70			5-30	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0	.24	.24			
Dragston														
Munden														
Nimmo														
Seabrook														
Tomotley														



Map Symbol					Moist	Permeability	Available	Linear	Organic	Eros	sion Fac	ctors	Wind Erodi-	Wind Erodi-
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Matter	Kw	Kf	Т	bility Group	bility Index
٠.	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
3: Axis	0-14 14-70			8-20 8-15	1.20-1.40 1.30-1.50	0.6-2 0.6-2	0.08-0.15 0.08-0.15	0.0-2.9 0.0-2.9	4.0-8.0 0.0	.24 .10	.24 .10	5	8	0
Bohicket														
Johnston														
Beaches														
l: Beaches	0-60			0-2	1.35-1.85	20	0.03-0.05	0.0-2.9	0.0-0.1	.05	.05	5	1	310
Axis														
Bohicket														
Udorthents														
Urban Land														
i: Bethera	0-7 7-65			10-20 30-50	1.20-1.40 1.30-1.50	0.6-2 0.001-0.6	0.11-0.16 0.14-0.18	0.0-2.9 3.0-5.9	1.0-6.0 0.0-1.0	.28 .32	.28 .32	5	5	56
Slagle														
: Bohicket	0-6 6-80			 35-60	0.15-0.40 1.30-1.60	0.6-6 0.001-0.06	0.02-0.06 0.02-0.06	0.0 6.0-8.9	20-60 5.0-16	.28 .24	 .24	5	8	0
Axis														

Map Symbol					Moist	Permeability	Available	Linear	Organic	Eros	sion Fa	ctors	Wind Erodi-	Wind Erodi
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Matter	Kw	Kf	Т	bility Group	bility Index
	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct					
5:														
Johnston														
7 :														
Bojac	0-18			5-18	1.20-1.50	2-6	0.08-0.16	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	18-53			5-20	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.17			
	53-71			1-8	1.30-1.50	6-20	0.02-0.07	0.0-2.9	0.0-0.5	.17	.17			
Dragston														
Munden														
Seabrook														
3:														
Chickahominy	0-7			10-25	1.20-1.30	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.37	.37	4	3	86
	7-85			27-60	1.25-1.35	0.2-0.6	0.12-0.19	3.0-5.9	0.0	.37	.37			
Altavista														
Newflat														
Peawick														
Augusta														
9A:														
Craven	0-9			7-27	1.30-1.45	0.2-2	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	9-53			30-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0	.32	.32			
	53-80			5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0	.32	.32			



Map Symbol					Moist	Permeability	Available	Linear	Organic	Eros	ion Fac	ctors	Wind Erodi-	Wind Erod
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Matter	Kw	Kf	Т	bility Group	bility
	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct					
A :														
Slagle														
Uchee														
3:														
Craven	0-9			7-27	1.30-1.45	0.2-2	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	9-53			30-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0	.32	.32			
	53-80			5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0	.32	.32			
Slagle														
Uchee														
):														
Dragston	0-17			4-20	1.20-1.50	2-6	0.08-0.15	0.0-2.9	1.0-2.0	.20	.20	4	3	86
G	17-42			10-20	1.25-1.45	2-6	0.08-0.16	0.0-2.9	0.0	.17	.17			
	42-72			2-20	1.35-1.55	6-20	0.04-0.10	0.0-2.9	0.0	.17	.17			
Augusta														
Nimmo														
Seabrook														
Tomotley														
1:														
Duckston	0-4			0-4	1.60-1.70	20	0.02-0.08	0.0-2.9	0.5-3.0	.10	.10	5	1	180
Duonotoli	4-60			0-4	1.60-1.70	20	0.02-0.05	0.0-2.9	0.0	.10	.10	5	'	100
	7-00	- 		U- -	1.00-1.70	20	0.02-0.03	0.0-2.9	0.0	. 10	. 10			
Nimmo														

Map Symbol					Moist	Permeability	Available	Linear	Organic	Eros	sion Fac	ctors	Wind Erodi-	Wind Erodi-
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Matter	Kw	Kf	Т	bility Group	bility Index
11:	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct			•		
Bohicket														
12:														
Johnston	0-34 34-60			7-35 0-30	1.30-1.55 1.45-1.65	2-6 6-20	0.20-0.26 0.06-0.12	0.0-2.9 0.0-2.9	3.0-8.0 0.0	.17 .17	.17 .17	5	5	56
	0 1 -00			0-30	1.40-1.00	0-20	0.00-0.12	0.0-2.0	0.0	.17				
Axis														
Bohicket														
Nimmo														
Tomotley														
13:														
Lawnes	0-10			8-25	1.20-1.40	0.6-2	0.15-0.22	0.0-2.9	4.0-8.0	.37	.37	5	8	0
	10-60			5-18	1.15-1.40	0.6-2	0.05-0.22	0.0-2.9	0.0	.28	.28			
Munden														
Seabrook														
Augusta														
Bojac														
Dragston														
Nimmo														

Map Symbol					Moist	Permeability	Available	Linear	Organic	Eros	sion Fac	ctors	Wind Erodi-	Wind Erodi-
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Matter	Kw	Kf	Т	bility Group	bility Index
	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct					•
14:												_		_
Levy	0-18			35-60	0.50-1.10	0.06-0.2	0.16-0.22	6.0-8.9	5.0-10	.32	.32	5	8	0
	18-80			35-60	0.50-1.10	0.06-0.2	0.16-0.22	6.0-8.9	1.0-3.0	.32	.32			
Munden														
Seabrook														
Augusta														
Augusta														
Bojac														
Dragston														
Nimmo														
15:														
Munden	0-11			3-15	1.20-1.35	2-6	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	11-48			8-18	1.20-1.35	0.6-6	0.08-0.18	0.0-2.9	0.0	.17	.17			
	48-80			2-18	1.35-1.55	2-20	0.04-0.08	0.0-2.9	0.0	.17	.17			
Bojac														
Dragston														
16C:														
Nevarc	0-9			8-18	1.30-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.32	.32	4	3	86
	9-42			30-55	1.30-1.50	0.06-0.2	0.10-0.17	3.0-5.9	0.0	.24	.24			
	42-72			5-35	1.30-1.50	0.6-6	0.06-0.12	0.0-2.9	0.0	.20	.24			
Uchee	0-24			3-10	1.30-1.70	6-20	0.05-0.10	0.0-2.9	0.3-3.0	.10	.10	5	2	134
OGICG	24-56			8-50	1.40-1.60	0.6-2	0.03-0.10	0.0-2.9	0.5-5.0	.24	.24	J	4	104
	56-65			12-40	1.40-1.60	0.2-2	0.10-0.15	3.0-5.9	0.0	.28	.28			

Map Symbol					Moist	Permeability	Available	Linear	Organia	Eros	sion Fac	ctors	Wind Erodi-	Wind Erodi-
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Organic Matter	Kw	Kf	Т	bility Group	bility Index
	ln	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct			•	•	
16C:														
Slagle														
16D:														
Nevarc	0-9			8-18	1.30-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.32	.32	4	3	86
	9-42			30-55	1.30-1.50	0.06-0.2	0.10-0.17	3.0-5.9	0.0	.24	.24			
	42-72			5-35	1.30-1.50	0.6-6	0.06-0.12	0.0-2.9	0.0	.20	.24			
Uchee	0-24			3-10	1.30-1.70	6-20	0.05-0.10	0.0-2.9	0.3-3.0	.10	.10	5	2	134
	24-56			8-50	1.40-1.60	0.6-2	0.10-0.15	0.0-2.9	0.0	.24	.24			
	56-65			12-40	1.40-1.60	0.2-2	0.10-0.16	3.0-5.9	0.0	.28	.28			
Slagle														
17:														
Newflat	0-8			10-25	1.20-1.30	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.37	.37	4	3	86
	8-80			30-60	1.30-1.50	0.001-0.06	0.10-0.19	6.0-8.9	0.0	.24	.24			
Altavista														
Chickahominy														
Peawick														
18:														
Nimmo	0-17			4-14	1.20-1.35	2-6	0.08-0.16	0.0-2.9	1.0-3.0	.20	.20	5	4	86
	17-36			8-18	1.20-1.35	0.6-2	0.08-0.18	0.0-2.9	0.0	.17	.17			
	36-60			1-8	1.35-1.55	2-20	0.04-0.08	0.0-2.9	0.0	.17	.17			
Munden														
Seabrook														

Map Symbol					Moist	Permeability	Available	Linear	Organic	Eros	sion Fac	ctors	Wind Erodi-	Wind Erodi-
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Matter	Kw	Kf	Т	bility Group	bility Index
	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct			•		
8:														
Tomotley														
9:														
Peawick	0-2			10-25	1.20-1.30	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.37	.37	5	3	86
	2-99			35-60	1.30-1.50	0.001-0.06	0.10-0.17	6.0-8.9	0.0	.24	.24			
Newflat														
Chickahominy														
0:														
Seabrook	0-9			2-7	1.30-1.60	6-20	0.05-0.11	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	9-72			0-7	1.30-1.60	6-20	0.02-0.09	0.0-2.9	0.0	.10	.10			
Munden														
Tomotley														
1A:														
Slagle	0-9			8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-25			12-40	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0	.24	.24			
	25-60			3-50	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0	.24	.24			
Bethera														
Peawick														
Uchee														

Map Symbol					Moist	Permeability	Available	Linear	Organic	Eros	sion Fac	ctors	Wind Erodi-	Win Erod
and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Matter	Kw	Kf	Т	bility Group	bilit
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
21B:														
Slagle	0-9			8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-25			12-40	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0	.24	.24			
	25-60			3-50	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0	.24	.24			
Bethera														
Peawick														
Uchee														
22:														
State	0-11			8-18	1.25-1.40	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	11-52			18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0	.28	.28			
	52-97			0-18	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0	.17	.17			
Augusta														
Altavista														
23:														
Suffolk	0-14			10-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	14-40			10-35	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0	.24	.24			
	40-64			2-20	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0	.15	.15			
Altavista														
Augusta														
24:														
Tomotley	0-8			8-20	1.30-1.60	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.20	.20	5	3	86
- -	8-50			18-35	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0	.20	.20			
	50-68			12-35	1.30-1.60	0.2-2	0.12-0.18	0.0-2.9	0.0	.20	.20			

Man Symbol					Moist	Permeability	Available	Linear	Organia	Eros	sion Fac	ctors	Wind Erodi-	Wind Erodi-
Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	(Ksat)	Water Capacity	Extensi- bility	Organic Matter	Kw	Kf	Т	bility Group	bility Index
24:	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct					
Augusta														
Dragston														
Nimmo														
Bojac														
Munden														
Seabrook														
25:														
Uchee	0-24 24-56 56-65	 	 	3-10 8-50 12-40	1.30-1.70 1.40-1.60 1.40-1.60	6-20 0.6-2 0.2-2	0.05-0.10 0.10-0.15 0.10-0.16	0.0-2.9 0.0-2.9 3.0-5.9	0.3-3.0 0.0 0.0	.10 .24 .28	.10 .24 .28	5	2	134
Slagle														
26: Udorthents														
Dumps													8	0
Uchee														
Bethera														
Slagle														

Man Comphal					Moist	Downson bility	Available	Linear	Oznania	Eros	sion Fa	ctors	Wind	Wind
Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	Permeability (Ksat)	Water Capacity	Extensi- bility	Organic Matter	Kw	Kf	Т	Erodi- bility Group	Erodi- bility Index
27:	In	Pct	Pct	Pct	g/cc	In/Hr	ln/ln	Pct	Pct			•	•	
Urban land	0-79					0.0000	0.00							
Altavista														
Augusta														
Bojac														
Craven														
Dragston														
Munden														
Nevarc														
Newflat														
Nimmo														
Peawick														
Seabrook														
Slagle														
State														
Tomotley														
Uchee														

					Moist	B 1377	Available	Linear		Eros	sion Fac	ctors	Wind	Wind
Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Bulk Density	Permeability (Ksat)	Water Capacity	Extensi- bility	Organic Matter	Kw	Kf	Т	Erodi- bility Group	Erodi- bility Index
0.7.	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
27:														
28:														
Yemassee	0-11			10-20	1.30-1.60	2-6	0.10-0.15	0.0-2.9	0.5-3.0	.20	.20	5	3	86
	11-51			18-35	1.30-1.50	0.6-2	0.11-0.18	0.0-2.9	0.0	.20	.20			
	51-63			1-35	1.30-1.50	0.6-2	0.11-0.17	0.0-2.9	0.0	.20	.20			
Augusta														
Dragston														
Nimmo														
Bojac														
Munden														
Seabrook														
DAM:														
Dam														
W:														
Water														